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TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	DEC 01	ChemPort single article sales feature unavailable
NEWS	3	JAN 06	The retention policy for unread STNmail messages will change in 2009 for STN-Columbus and STN-Tokyo
NEWS	4	JAN 07	WPIDS, WPINDEX, and WPIX enhanced Japanese Patent Classification Data
NEWS	5	FEB 02	Simultaneous left and right truncation (SLART) added for CERAB, COMPUAB, ELCOM, and SOLIDSTATE
NEWS	6	FEB 02	GENBANK enhanced with SET PLURALS and SET SPELLING
NEWS	7	FEB 06	Patent sequence location (PSL) data added to USGENE
NEWS	8	FEB 10	COMPENDEX reloaded and enhanced
NEWS	9	FEB 11	WTEXTILES reloaded and enhanced
NEWS	10	FEB 19	New patent-examiner citations in 300,000 CA/CAPLUS patent records provide insights into related prior art
NEWS	11	FEB 19	Increase the precision of your patent queries -- use terms from the IPC Thesaurus, Version 2009.01
NEWS	12	FEB 23	Several formats for image display and print options discontinued in USPATFULL and USPAT2
NEWS	13	FEB 23	MEDLINE now offers more precise author group fields and 2009 MeSH terms
NEWS	14	FEB 23	TOXCENTER updates mirror those of MEDLINE - more precise author group fields and 2009 MeSH terms
NEWS	15	FEB 23	Three million new patent records blast AEROSPACE into STN patent clusters
NEWS	16	FEB 25	USGENE enhanced with patent family and legal status display data from INPADOCDB
NEWS	17	MAR 06	INPADOCDB and INPAFAMDB enhanced with new display formats
NEWS	18	MAR 11	EPFULL backfile enhanced with additional full-text applications and grants
NEWS	19	MAR 11	ESBIOBASE reloaded and enhanced
NEWS	20	MAR 20	CAS databases on STN enhanced with new super role for nanomaterial substances
NEWS	21	MAR 23	CA/CAPLUS enhanced with more than 250,000 patent equivalents from China
NEWS	22	MAR 30	IMSPATENTS reloaded and enhanced
NEWS	23	APR 03	CAS coverage of exemplified prophetic substances enhanced
NEWS	24	APR 07	STN is raising the limits on saved answers
NEWS EXPRESS	JUNE 27 08	CURRENT WINDOWS VERSION IS V8.3,	
		AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.	

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS LOGIN Welcome Banner and News Items
NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 08:09:03 ON 14 APR 2009

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.22	0.22

FILE 'REGISTRY' ENTERED AT 08:09:14 ON 14 APR 2009

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 13 APR 2009 HIGHEST RN 1134263-89-0

DICTIONARY FILE UPDATES: 13 APR 2009 HIGHEST RN 1134263-89-0

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 9, 2009.

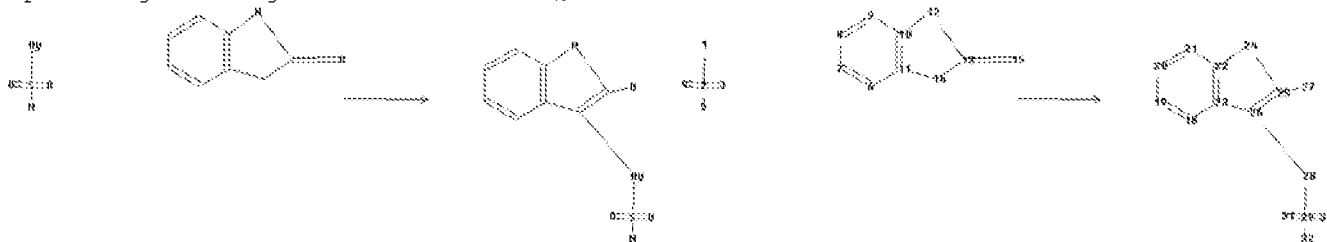
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Program Files\STNEXP\Queries\10572778 reaction.str



```

chain nodes :
1  2  3  4 15 27 28 29 30 31
ring nodes :
5  6  7  8  9 10 11 12 13 14 18 19 20 21 22 23 24 25 26 32
chain bonds :
1-2  2-3  2-4  2-5 13-15 25-27 26-28 28-29 29-30 29-31 29-32
ring bonds :
6-7  6-11 7-8  8-9  9-10 10-11 10-12 11-14 12-13 13-14 18-19 18-23 19-20
20-21 21-22 22-23 22-24 23-26 24-25 25-26
exact/norm bonds :
1-2  2-3  2-4  2-5 10-12 12-13 13-15 22-24 24-25 25-27 26-28 28-29 29-30
29-31 29-32
exact bonds :
11-14 13-14 23-26 25-26
normalized bonds :
6-7  6-11 7-8  8-9  9-10 10-11 18-19 18-23 19-20 20-21 21-22 22-23
isolated ring systems :
containing 6 : 18 :

```

```

Match level :
1:Atom 2:CLASS 3:CLASS 4:CLASS 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:CLASS 18:Atom 19:Atom 20:Atom 21:Atom
22:Atom 23:Atom
24:Atom 25:Atom 26:Atom 27:CLASS 28:Atom 29:CLASS 30:CLASS 31:CLASS 32:Atom
Generic attributes :
1:
Saturation           : Unsaturated
Number of Carbon Atoms : less than 7
Type of Ring System   : Monocyclic
28:
Saturation           : Unsaturated
Number of Carbon Atoms : less than 7
Type of Ring System   : Monocyclic

fragments assigned product role:
containing 18
fragments assigned reactant/reagent role:
containing 1
containing 6

```

L1 STRUCTURE UPLOADED

```

=> d L1
L1 HAS NO ANSWERS
L1        STR
*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

```

Structure attributes must be viewed using STN Express query preparation.

```

=> file casreact
COST IN U.S. DOLLARS
FULL ESTIMATED COST
SINCE FILE ENTRY 0.48
TOTAL SESSION 0.70

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FILE 'CASREACT' ENTERED AT 08:10:06 ON 14 APR 2009
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FILE CONTENT:1840 - 11 Apr 2009 VOL 150 ISS 16

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*****
*
*      CASREACT now has more than 16.5 million reactions      *
*
*****
```

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s L1 SSS full

FULL SEARCH INITIATED 08:10:10 FILE 'CASREACT'

SCREENING COMPLETE - 1532 REACTIONS TO VERIFY FROM 110 DOCUMENTS

100.0% DONE 1532 VERIFIED 69 HIT RXNS 1 DOCS
SEARCH TIME: 00.00.03

L2 1 SEA SSS FUL L1 (69 REACTIONS)

=> d ibib abs fhit 1-

YOU HAVE REQUESTED DATA FROM 1 ANSWERS - CONTINUE? Y/(N):y

L2 ANSWER 1 OF 1 CASREACT COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 142:336240 CASREACT Full-text

TITLE: Preparation of heterocyclic-substituted indoles as inhibitors of GSK3 β

INVENTOR(S): Berg, Stefan; Hellberg, Sven

PATENT ASSIGNEE(S): Astrazeneca Ab, Swed.

SOURCE: PCT Int. Appl., 120 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
WO 2005027823	A2	20050331	WO 2004-SE1363	20040921
WO 2005027823	A3	20050602		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
 RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

AU 2004273771	A1	20050331	AU 2004-273771	20040921
AU 2004273771	B2	20081106		
CA 2538381	A1	20050331	CA 2004-2538381	20040921
EP 1667990	A2	20060614	EP 2004-775465	20040921

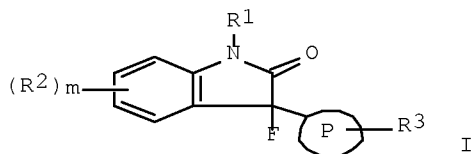
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, HR

BR 2004014632	A	20061107	BR 2004-14632	20040921
CN 1886397	A	20061227	CN 2004-80034700	20040921
JP 2007506734	T	20070322	JP 2006-527944	20040921
IN 2006DN01198	A	20070803	IN 2006-DN1198	20060307
US 20080275041	A1	20081106	US 2006-572778	20060321
MX 2006003195	A	20060623	MX 2006-3195	20060322

PRIORITY APPLN. INFO.:

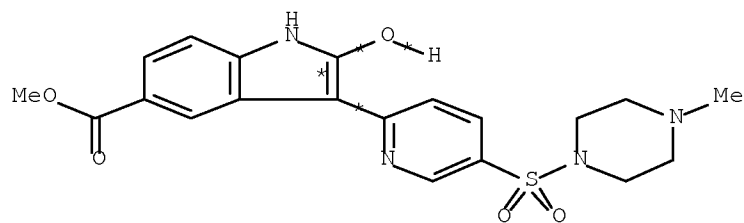
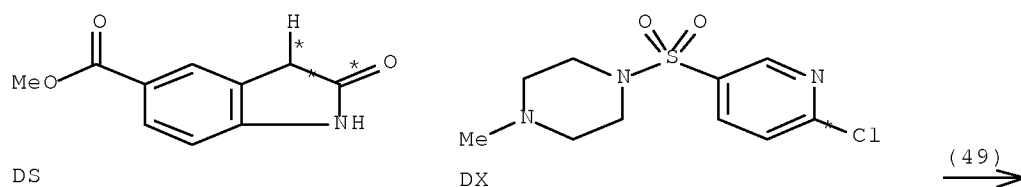
SE 2003-2546	20030924
AU 2003-216026	20030328
WO 2004-SE1363	20040921

OTHER SOURCE(S): MARPAT 142:336240
 GI



AB Title compds. I [P - 5-6-membered heteroarom. ring; R1 = H; R2 = alkyl, CN, halo, etc.; R3 = alkyl, CN, NO2, carboxy, etc.; m, n = 0-4] and derivs. are prepared For instance, 2-Hydroxy-3-[5-[(4-methylpiperazin-1-yl)carbonyl]pyridin-2-yl]-1H-indole-6-carbonitrile is prepared by the reaction of 2-oxoindoline-6-carbonitrile and 1-[(6-chloro-1-oxidopyridin-3-yl)carbonyl]-4-methylpiperazine (preparation given). Ki of selected compds. of the invention was 20 μ M for GSK3 β . I are useful for the treatment of, e.g., Alzheimer's Disease.

RX(49) OF 334 DS + DX ==> DY



● HCl

DY
YIELD 59%

RX(49) RCT DS 199328-10-4, DX 64614-53-5
 RGT DQ 7646-69-7 NaH
 PRO DY 848472-48-0
 SOL 68-12-2 DMF
 CON SUBSTAGE(1) 20 minutes, room temperature
 SUBSTAGE(2) 1.5 hours, 110 deg C
 SUBSTAGE(3) 110 deg C -> room temperature
 REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> log off

ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF

LOGOFF? (Y)/N/HOLD:y

STN INTERNATIONAL LOGOFF AT 08:10:58 ON 14 APR 2009